NEUROPEPTIDES

Neuropeptides (1995) **29**, 367–373
© Pearson Professional Ltd 1995

Subject Index

A

Acetylcholine
SR 48692-sensitive neurotensin receptors modulate acetylcholine release in the rat striatum, 27
vasodilation in porcine ophthalmic artery: peptide interaction with acetylcholine and endothelial dependence, 69
ACTH
endogenous substance-P (SP) is involved in the maintenance of the growth and steroidogenic capacity of rat adrenal zona glomerulosa, 53
neuromedin-K effects on the rat hypothalamo-pituitary-adrenal axis, 337
Adrenal gland(s)
endogenous substance-P (SP) is involved in the maintenance of the growth and steroidogenic capacity of rat adrenal zona glomerulosa, 53
neuromedin-K effects on the rat hypothalamo-pituitary-adrenal axis, 337
Age, response to the antidepressant and memory-improving effects of oxytocin and, 177
Airway
effect of dexamethasone treatment on the regional distribution of neutral endopeptidase activity in the rat trachea, 273
relaxant effects of pituitary adenylate cyclase activating polypeptide (PACAP) on epithelium-intact and -denuded guinea-pig trachea: a comparison with vasoactive intestinal peptide (VIP), 121
tachykinin-induced contraction of human isolated bronchus is mediated only by NK_2 receptors, 281
Aldosterone
endogenous substance-P (SP) is involved in the maintenance of the growth and steroidogenic capacity of rat adrenal zona glomerulosa, 53
neuromedin-K effects on the rat hypothalamo-pituitary-adrenal axis, 337
Alzheimer's disease, low cerebrospinal fluid concentrations of peptide histidine valine and somatostatin-28 in: altered processing of prepro-vasoactive intestinal peptide and prepro-somatostatin, 325
Amphetamine, effects of repeated adminstration on the thyrotropin-releasing hormone activity in the rat brain of, 171
Amygdala: penicillin-G induced interictal activity increases both opioid peptide tissue content and in vitro release in the rat brain, 163
Analgesia/antinociception
C-type natriuretic peptide can modify the acute and chronic effects of morphine, 145
opioid receptor involvement in the anti-nociception produced by intracerebroventricularly administered spantide in mice, 293
Angiotensin, effects on intraocular pressure in anaesthetized rats of vasopressin and atrial natriuretic peptide and, 193
Ankle joint: neuropeptide Y-and vasoactive intestinal polypeptide-like immunoreactivity in adjuvant arthritis, 33
Antidepressants: aged rats are still responsive to the antidepressant and memory-improving effects of oxytocin, 177
'Anxiolytic-like' action of atrial natriuretic peptide in rats, involvement of neurotransmitters in, 215
Arthritis, adjuvant, effects of capsaicin treatment on neuropeptide Y-and vasoactive intestinal polypeptide-like immunoreactivity in, 33
Atrial natriuretic peptide
effects of angiotensin vasopressin and atrial natriuretic peptide on intraocular pressure in anaesthetized rats, 193
involvement of neurotransmitters in the 'anxiolytic-like' action of atrial natriuretic peptide in rats, 215

B

Behaviour
aged rats are still responsive to the antidepressant and memory-improving effects of oxytocin, 177
involvement of neurotransmitters in the 'anxiolytic-like' action of atrial natriuretic peptide in rats, 215
Bladder, urinary: distinct hydro-osmotic receptors for the neurohypophysial peptides vasotocin and hydrins in the frog *Rana esculenta*, 301
Blood monocytes in vitro, human peripheral, stimulation by somatostatin of release of interleukin-6 from, 77
Blood pressure
effects of angiotensin vasopressin and atrial natriuretic peptide on blood and intraocular pressure in anaesthetized rats, 193
plasma pancreastin-like immunoreactivity correlates with plasma norepinephrine levels in essential hypertension, 97
Brain injury
changes in neuropeptide levels after brain damage in rats, 59
effects of μ opioid agonist and antagonist on neurological outcome following traumatic brain injury in the rat, 11
Bronchoconstriction *see* Airway

C

Calcitonin gene-related peptide (CGRP)
substance P and CGRP involvement in feline pial artery diameter responses evoked by capsaicin, 129
vasodilation in porcine ophthalmic artery: peptide interaction with acetylcholine and endothelial dependence, 69
Calcium
cholecystokinin-induced signalling in rat glioma C_6 cells, 251

neuromedin-K effects on the rat hypothalamo-pituitary-adrenal axis, 337
Cancer
CCK_B receptor activation results in increased [^{3}H]thymidine incorporation in rat glioma C_6 cells, 241
cholecystokinin-induced signalling in rat glioma C_6 cells, 251
effects of guanyl nucleotides on CCK_B receptor binding in brain tissue and continuous cell lines: a comparative study, 63
modulation of cholecystokinin mRNA in cell lines in response to isoproterenol and retinoic acid, 221
vitamin D_3 effects on basal and cAMP modulated expression of cholecystokinin and somatostatin genes in a rat medullary thyroid carcinoma cell line [CA-77], 45
Capsaicin
calcitonin gene-related peptide and substance P involvement in feline pial artery diameter responses evoked by, 129
exogenous but not endogenous substance P releases histamine from isolated human skin fragments, 351
neuropeptide Y-and vasoactive intestinal polypeptide-like immunoreactivity in adjuvant arthritis: effects of capsaicin treatment, 33
Cell proliferation
CCK_B receptor activation results in increased [^{3}H]thymidine incorporation in rat glioma C_6 cells, 241
modulation of cholecystokinin mRNA in cell lines in response to isoproterenol and retinoic acid, 221
Cerebrospinal fluid (CSF)
galanin and galanin (1-16) metabolism in isolated CSF and spinal cord membranes of the rat, 137
low CSF concentrations of peptide histidine valine and somatostatin-28 in Alzheimer's disease: altered processing of prepro-vasoactive intestinal peptide and prepro-somatostatin, 325
Cholecystokinin (CCK)
CCK_B receptor activation results in increased [^{3}H]thymidine incorporation in rat glioma C_6 cells, 241
effects of guanyl nucleotides on CCK_B receptor binding in brain tissue and continuous cell lines: a comparative study, 63
effects of two newly synthetized CCK tetrapeptides on the activity of single hippocampal and thalamic neurons, 83
GABA-CCK interactions in rat striatum, 257
modulation of CCK mRNA in cell lines in response to isoproterenol and retinoic acid, 221
signalling in rat glioma C_6 cells induced by, 251
vitamin D_3 effects on basal and cAMP modulated expression of CCK and somatostatin genes in a rat medullary thyroid carcinoma cell line [CA-77], 45
Colon
central effects of neuropeptide FF on intestinal motility in naive and morphine-dependent rats, 245
human, nitrinergic and peptidergic innervations and their inter-relationships in, 1
Cortex
changes in neuropeptide levels after brain damage in rats, 59
cortical neuropeptide Y and somatostatin concentrations following haloperidol-depot treatment in rats, 157
effects of guanyl nucleotides on CCK_B receptor binding in brain tissue and continuous cell lines: a comparative study, 63
penicillin-G induced interictal activity increases both opioid peptide tissue content and in vitro release in the rat brain, 163
Corticosterone: endogenous substance-P (SP) is involved in the maintenance of the growth and steroidogenic capacity of rat adrenal zona glomerulosa, 53
Corticotrophin-releasing hormone (CRH): generation and characterization of an antiserum reactive with a proteolytic processing site within rat procorticotrophin-releasing hormone, 183
C-type natriuretic peptide, modification of the acute and chronic effects of morphine by, 145
Cyclic AMP: vitamin D_3 effects on basal and cAMP modulated expression of cholecystokinin and somatostatin genes in a rat medullary thyroid carcinoma cell line [CA-77], 45

D

DAMGO
characterization of opioid receptor subtypes mediating the negative inotropic effects of agonists in isolated human right atria strips, 115
effects of μ opioid agonist and antagonist on neurological outcome following traumatic brain injury in the rat, 11
Dementia, low cerebrospinal fluid concentrations of peptide histidine valine and somatostatin-28 in Alzheimer's disease and other forms of: altered processing of prepro-vasoactive intestinal peptide and prepro-somatostatin, 325
Dexamethasone treatment, effect on the regional distribution of neutral endopeptidase activity in the rat trachea of, 273
Dopamine
acute and subchronic effects of dopamine agonists on neuropeptide gene expression in the rat striatum, 109
effects of repeated amphetamine adminstration on the thyrotropin-releasing hormone activity in the rat brain, 171
Dorsal root ganglia: neuropeptide Y-and vasoactive intestinal polypeptide-like immunoreactivity in adjuvant arthritis, 33
DPDPE
characterization of opioid receptor subtypes mediating the negative inotropic effects of agonists in isolated human right atria strips, 115
opiate microinjections in the locus coeruleus area of the cat enhance slow wave sleep, 229
Drosophila melanogaster: evidence for a restricted expression pattern in spatial and temporal analysis of FMRFamide neuropepetide gene product SDNFMRFamide, 205
Drug addiction: effects of repeated amphetamine adminstration on the thyrotropin-releasing hormone activity in the rat brain, 171

E

Endothelin(s): identification of ET_B receptor subtypes using linear and truncated analogues of ET, 331
Endothelium, vasodilation in porcine ophthalmic artery and, 69
Enkephalin(s)
acute and subchronic effects of dopamine agonists on neuropeptide gene expression in the rat striatum, 109
characterization of opioid receptor subtypes mediating the negative inotropic effects of agonists in isolated human right atria strips, 115
effects of μ opioid agonist and antagonist on neurological outcome following traumatic brain injury in the rat, 11
penicillin-G induced interictal activity increases both opioid peptide tissue content and in vitro release in the rat brain, 163
rat meningeal fibroblasts in primary culture express the proenkaphalin gene, 89

relevance of intact enkephalin molecule in predominantly delta opioid receptor mediated superoxide anion release, 357
Epilepsy: penicillin-G induced interictal activity increases both opioid peptide tissue content and in vitro release in the rat brain, 163
Eye(s): effects of angiotensin vasopressin and atrial natriuretic peptide on intraocular pressure in anaesthetized rats, 193

F

Fibroblasts, rat meningeal, expression of proenkaphalin gene by, 89
FMRFamide neuropeptide gene product SDFMRFamide, evidence for a restricted expression pattern in *Drosophila melanogaster* of, 205
Frog (*Rana esculenta*), distinct hydro-osmotic receptors for the neurohypophysial peptides vasotocin and hydrins in, 301
FSH (follicle-stimulating hormone): mediation by nitric oxide of LH-RH-stimulated gonadotropin secretions in human subjects, 321
β-funaltrexamine (β-FNA): effects of μ opioid agonist and antagonist on neurological outcome following traumatic brain injury in the rat, 11

G

GABA (gamma-aminobutyric acid): cholecystokinin-GABA interactions in rat striatum, 257
Galanin
  metabolism of galanin and galanin (1-16) in isolated cerebrospinal fluid and spinal cord membranes from rat, 137
  nitrinergic and peptidergic innervations and their inter-relationships in human colon, 1
Gastrointestinal tract
  central effects of neuropeptide FF on intestinal motility in naive and morphine-dependent rats, 245
  nitrinergic and peptidergic innervations and their inter-relationships in human colon, 1
Gene expression
  acute and subchronic effects of dopamine agonists on neuropeptide gene expression in the rat striatum, 109
  identification of thyrotropin-releasing hormone receptor mRNA in the Leydig cells of the mouse testis by in situ hybridization, 309
  involvement of serotonin in the regulation of GnRH gene expression in the male rat brain, 21
  modulation of CCK mRNA in cell lines in response to isoproterenol and retinoic acid, 221
  PACAP acts through VIP type 2 receptors in the rat testis, 315
  rat meningeal fibroblasts in primary culture express the proenkaphalin gene, 89
  spatial and temporal analysis of the *Drosophila* FMRFamide neuropeptide gene product SDNFMRFamide: evidence for a restricted expression pattern, 205
  vitamin D_3 effects on basal and cAMP modulated expression of cholecystokinin and somatostatin genes in a rat medullary thyroid carcinoma cell line [CA-77], 45
Glioma cells
  CCK_B receptor activation results in increased [^{3}H]thymidine incorporation in rat glioma C_6 cells, 241
  cholecystokinin-induced signalling in rat glioma C_6 cells, 251
  effects of guanyl nucleotides on CCK_B receptor binding in brain tissue and continuous cell lines: a comparative study, 63
Gonadotropin secretions, LH-RH stimulated, mediation by nitric oxide in human subjects of, 321
Gonadotropin-releasing hormone (GnRH)
  in vivo effects of lamprey GnRH-I and cyclized analogues: a structure-activity study, 151
  involvement of serotonin in the regulation of GnRH gene expression in the male rat brain, 21
Growth: endogenous substance-P (SP) is involved in the maintenance of the growth and steroidogenic capacity of rat adrenal zona glomerulosa, 53
Guanyl nucleotides, comparative study of effects on CCK_B receptor binding in brain tissue and continuous cell lines of, 63

H

Heart: characterization of opioid receptor subtypes mediating the negative inotropic effects of agonists in isolated human right atria strips, 115
Hippocampus
  changes in neuropeptide levels after brain damage in rats, 59
  effects of single and repeated morphine administration on the level of thyrotropin-releasing hormone and its receptors in the rat brain, 343
  effects of two newly synthetized cholecystokinin tetrapeptides on the activity of single hippocampal and thalamic neurons, 83
  penicillin-G induced interictal activity increases both opioid peptide tissue content and in vitro release in the rat brain, 163
Histamine release from isolated human skin fragments, role of substance P in, 351
Hydrins, distinct hydro-osmotic receptors in the frog *Rana esculenta* for, 301
Hydro-osmosis: distinct receptors for the neurohypophysial peptides vasotocin and hydrins in the frog *Rana esculenta*, 301
5-Hydroxytryptamine (5-HT; Serotonin): involvement of serotonin in the regulation of GnRH gene expression in the male rat brain, 21
Hypertension, essential, plasma pancreastin-like immunoreactivity correlates with plasma norepinephrine levels in, 97
Hypothalamus
  neuromedin-K effects on the rat hypothalamo-pituitary-adrenal axis, 337
  penicillin-G induced interictal activity increases both opioid peptide tissue content and in vitro release in the rat brain, 163

I

Immune system
  relevance of intact enkephalin molecule in predominantly delta opioid receptor mediated superoxide anion release, 357
  somatostatin stimulates the release of interleukin-6 from human peripheral blood monocytes in vitro, 77
Inflammation
  calcitonin gene-related peptide and substance P involvement in feline pial artery diameter responses evoked by capsaicin, 129
  effect of dexamethasone treatment on the regional distribution of neutral endopeptidase activity in the rat trachea, 273

exogenous but not endogenous substance P releases histamine from isolated human skin fragments, 351
relaxant effects of pituitary adenylate cyclase activating polypeptide (PACAP) on epithelium-intact and -denuded guinea-pig trachea: a comparison with vasoactive intestinal peptide (VIP), 121
Interleukin-6, stimulation by somatostatin of release from human peripheral blood monocytes in vitro of, 77
Intraocular pressure, effects of angiotensin vasopressin and atrial natriuretic peptide in anaesthetized rats on, 193
Isoproterenol, modulation of CCK mRNA in cell lines in response to, 221

J

Joint(s): neuropeptide Y-and vasoactive intestinal polypeptide-like immunoreactivity in adjuvant arthritis, 33

K

Kidney: distinct hydro-osmotic receptors for the neurohypophysial peptides vasotocin and hydrins in the frog *Rana esculenta*, 301

L

Lamprey (*Petromyzon marinus*), in vivo effects of GnRH-I and cyclized analogues in, 151
Locus coeruleus area, cat, enhancement of slow wave sleep by opiate microinjections in, 229
Lung(s): identification of ET_B receptor subtypes using linear and truncated analogues of ET, 331
Luteinizing hormone-releasing hormone (LH-RH): mediation by nitric oxide of LH-RH-stimulated gonadotropin secretions in human subjects, 321

M

Membranes
cholecystokinin-induced signalling in rat glioma C_6 cells, 251
comparison of soluble and membrane-bound pyroglutamyl peptidase I activities in rat brain tissues in the presence of detergents, 103
metabolism of galanin and galanin (1-16) in isolated cerebrospinal fluid and spinal cord membranes from rat, 137
Memory: aged rats are still responsive to the antidepressant and memory-improving effects of oxytocin, 177
Meningeal fibroblasts, rat, expression of proenkaphalin gene by, 89
Morphine
central effects of neuropeptide FF on intestinal motility in naive and morphine-dependent rats, 245
effects of single and repeated morphine administration on the level of thyrotropin-releasing hormone and its receptors in the rat brain, 343
modification by C-type natriuretic peptide of the acute and chronic effects of, 145
opiate microinjections in the locus coeruleus area of the cat enhance slow wave sleep, 229
Muscle(s)
central effects of neuropeptide FF on intestinal motility in naive and morphine-dependent rats, 245
cutaneous vasomotor effects of neuropeptide Y, 263
nitrinergic and peptidergic innervations and their inter-relationships in human colon, 1
relaxant effects of pituitary adenylate cyclase activating polypeptide (PACAP) on epithelium-intact and-denuded guinea-pig trachea: a comparison with vasoactive intestinal peptide (VIP), 121
tachykinin-induced contraction of human isolated bronchus is mediated only by NK_2 receptors, 281

N

Neurokinins/NK receptors
calcitonin gene-related peptide and substance P involvement in feline pial artery diameter responses evoked by capsaicin, 129
tachykinin-induced contraction of human isolated bronchus is mediated only by NK_2 receptors, 281
Neuroleptic drugs: cortical neuropeptide Y and somatostatin concentrations following haloperidol-depot treatment, 157
Neuromedin-K, effects on the rat hypothalamo-pituitary-adrenal axis of, 337
Neuropeptide FF, central effects on intestinal motility in naive and morphine-dependent rats of, 245
Neuropeptide Y (NPY)
cortical NPY and somatostatin concentrations following haloperidol-depot treatment in rats, 157
cutaneous vasomotor effects of NPY, 263
vasoactive intestinal polypeptide-and NPY-like immunoreactivity in adjuvant arthritis: effects of capsaicin treatment, 33
Neurotensin: SR 48692-sensitive neurotensin receptors modulate acetylcholine release in the rat striatum, 27
Neutral endopeptidase activity in the rat trachea, regional distribution of, effect of dexamethasone treatment on, 273
Neutrophils: relevance of intact enkephalin molecule in predominantly delta opioid receptor mediated superoxide anion release, 357
Nitric oxide
mediation by nitric oxide of LH-RH-stimulated gonadotropin secretions in human subjects, 321
nitrinergic and peptidergic innervations and their inter-relationships in human colon, 1
Noradrenaline (norepinephrine)
correlation of plasma norepinephrine levels with pancreastin-like immunoreactivity in essential hypertension, 97
cutaneous vasomotor effects of neuropeptide Y, 263
Nucleotides, guanyl, comparative study of effects on CCK_B receptor binding in brain tissue and continuous cell lines of, 63
Nucleus accumbens
effects of repeated amphetamine adminstration on the thyrotropin-releasing hormone activity in the rat brain, 171
effects of single and repeated morphine administration on the level of thyrotropin-releasing hormone and its receptors in the rat brain, 343

O

Ophthalmic artery vasodilation, porcine: peptide interaction with acetylcholine and endothelial dependence, 69
Opioid(s)
central effects of neuropeptide FF on intestinal motility in naive and morphine-dependent rats, 245

characterization of opioid receptor subtypes mediating the negative inotropic effects of agonists in isolated human right atria strips, 115
C-type natriuretic peptide can modify the acute and chronic effects of morphine, 145
effects of μ opioid agonist and antagonist on neurological outcome following traumatic brain injury in the rat, 11
effects of single and repeated morphine administration on the level of thyrotropin-releasing hormone and its receptors in the rat brain, 343
opiate microinjections in the locus coeruleus area of the cat enhance slow wave sleep, 229
opioid receptor involvement in the anti-nociception produced by intracerebroventricularly administered spantide in mice, 293
penicillin-G induced interictal activity increases both opioid peptide tissue content and in vitro release in the rat brain, 163
relevance of intact enkephalin molecule in predominantly delta opioid receptor mediated superoxide anion release, 357
Ovulation: in vivo effects of lamprey GnRH-I and cyclized analogues, 151
Oxytocin, age and response to the antidepressant and memory-improving effects of, 177

P

Pain *see* Analgesia/antinociception
Pancreastin-like immunoreactivity, plasma, correlation with plasma norepinephrine levels in essential hypertension of, 97
Penicillin-G, interictal activity induced by, effect on tissue content and in vitro release of opioid peptide in rat brain of, 163
Peptide histidine methionine peptide histidine valine and somatostatin, low cerebrospinal fluid concentrations in Alzheimer's disease of, 325
Pial artery, feline, calcitonin gene-related peptide and substance P involvement in capsaicin-evoked diameter responses in, 129
Pituitary adenylate cyclase activating peptide (PACAP)
PACAP acts through VIP type 2 receptors in the rat testis, 315
relaxant effects on epithelium-intact and -denuded guinea-pig trachea of: comparison with vasoactive intestinal peptide, 121
Pituitary gland
effects of guanyl nucleotides on CCK_B receptor binding in brain tissue and continuous cell lines: a comparative study, 63
identification of thyrotropin-releasing hormone receptor mRNA in the Leydig cells of the mouse testis by in situ hybridization, 309
mediation by nitric oxide of LH-RH-stimulated gonadotropin secretions in human subjects, 321
neuromedin-K effects on the rat hypothalamo-pituitary-adrenal axis, 337
in vivo effects of lamprey GnRH-I and cyclized analogues: a structure-activity study, 151
Plasma extravasation: effect of dexamethasone treatment on the regional distribution of neutral endopeptidase activity in the rat trachea, 273
Prohormones/precursor proteins
generation and characterization of an antiserum reactive with a proteolytic processing site within rat procorticotrophin-releasing hormone, 183
low cerebrospinal fluid concentrations of peptide histidine valine and somatostatin-28 in Alzheimer's disease: altered processing of prepro-vasoactive intestinal peptide and prepro-somatostatin, 325
rat meningeal fibroblasts in primary culture express the proenkaphalin gene, 89
spatial and temporal analysis of the *Drosophila* FMRFamide neuropeptide gene product SDNFMRFamide: evidence for a restricted expression pattern, 205
Pyroglutamyl peptidase I activity in rat brain tissues in the presence of detergents: comparison of soluble and membrane-bound forms, 103

R

Reproduction
identification of thyrotropin-releasing hormone receptor mRNA in the Leydig cells of the mouse testis by in situ hybridization, 309
mediation by nitric oxide of LH-RH-stimulated gonadotropin secretions in human subjects, 321
PACAP acts through VIP type 2 receptors in the rat testis, 315
in vivo effects of lamprey GnRH-I and cyclized analogues: a structure-activity study, 151
Respiratory system
effect of dexamethasone treatment on the regional distribution of neutral endopeptidase activity in the rat trachea, 273
identification of ET_B receptor subtypes using linear and truncated analogues of endothelin, 331
relaxant effects of pituitary adenylate cyclase activating polypeptide (PACAP) on epithelium-intact and -denuded guinea-pig trachea: a comparison with vasoactive intestinal peptide (VIP), 121
tachykinin-induced contraction of human isolated bronchus is mediated only by NK_2 receptors, 281
Retinoic acid, modulation of CCK mRNA in cell lines in response to, 221

S

Schizophrenia: cortical neuropeptide Y and somatostatin concentrations following haloperidol-depot treatment, 157
SDNFMRFamide, evidence for a restricted expression pattern in *Drosophila melanogaster* of, 205
Seizures: penicillin-G induced interictal activity increases both opioid peptide tissue content and in vitro release in the rat brain, 163
Septum: effects of single and repeated morphine administration on the level of thyrotropin-releasing hormone and its receptors in the rat brain, 343
Serotonin (5-Hydroxytryptamine): involvement of serotonin in the regulation of GnRH gene expression in the male rat brain, 21
Signal transduction: cholecystokinin-induced signalling in rat glioma C_6 cells, 251
Skin
distinct hydro-osmotic receptors for the neurohypophysial peptides vasotocin and hydrins in the frog *Rana esculenta*, 301
exogenous but not endogenous substance P releases histamine from isolated human skin fragments, 351
Sleep: opiate microinjections in the locus coeruleus area of the cat enhance slow wave sleep, 229

Somatostatin
changes in neuropeptide levels after brain damage in rats, 59
cortical neuropeptide Y and somatostatin concentrations following haloperidol-depot treatment in rats, 157
low cerebrospinal fluid concentrations of peptide histidine valine and somatostatin-28 in Alzheimer's disease: altered processing of prepro-vasoactive intestinal peptide and prepro-somatostatin, 325
stimulation of release of interleukin-6 from human peripheral blood monocytes in vitro by, 77
vitamin D_3 effects on basal and cAMP modulated expression of cholecystokinin and somatostatin genes in a rat medullary thyroid carcinoma cell line [CA-77], 45
Spantide, opioid receptor involvement in the anti-nociception produced by intracerebroventricular administration in mice of, 293
Spermatogenesis: PACAP acts through VIP type 2 receptors in the rat testis, 315
Spinal cord membranes, isolated rat, metabolism of galanin and galanin (1-16) in cerebrospinal fluid and, 137
Spleen: identification of ET_B receptor subtypes using linear and truncated analogues of ET, 331
Steroid hormones
effect of dexamethasone treatment on the regional distribution of neutral endopeptidase activity in the rat trachea, 273
endogenous substance-P (SP) is involved in the maintenance of the growth and steroidogenic capacity of rat adrenal zona glomerulosa, 53
neuromedin-K effects on the rat hypothalamo-pituitary-adrenal axis, 337
Striatum
acute and subchronic effects of dopamine agonists on neuropeptide gene expression in the rat striatum, 109
cholecystokinin-GABA interactions in rat striatum, 257
effects of repeated amphetamine adminstration on the thyrotropin-releasing hormone activity in the rat brain, 171
effects of single and repeated morphine administration on the level of thyrotropin-releasing hormone and its receptors in the rat brain, 343
penicillin-G induced interictal activity increases both opioid peptide tissue content and in vitro release in the rat brain, 163
SR 48692-sensitive neurotensin receptors modulate acetylcholine release in the rat striatum, 27
Substance P (SP)
acute and subchronic effects of dopamine agonists on neuropeptide gene expression in the rat striatum, 109
calcitonin gene-related peptide and SP involvement in feline pial artery diameter responses evoked by capsaicin, 129
changes in neuropeptide levels after brain damage in rats, 59
endogenous SP is involved in the maintenance of the growth and steroidogenic capacity of rat adrenal zona glomerulosa, 53
exogenous but not endogenous SP releases histamine from isolated human skin fragments, 351
opioid receptor involvement in the anti-nociception produced by intracerebroventricularly administered spantide in mice, 293
Superoxide anion release, predominantly delta opioid receptor mediated, relevance of intact enkephalin molecule in, 357

T

Tachykinins
effect of dexamethasone treatment on the regional distribution of neutral endopeptidase activity in the rat trachea, 273
see also Neurokinins; Neuromedin-K; Substance P
Testis
identification of thyrotropin-releasing hormone receptor mRNA in the Leydig cells of the mouse testis by in situ hybridization, 309
PACAP acts through VIP type 2 receptors in the rat testis, 315
Thalamic neurons, effects of two newly synthetized cholecystokinin tetrapeptides on, 83
Thyroid carcinoma cells
modulation of CCK mRNA in cell lines in response to isoproterenol and retinoic acid, 221
vitamin D_3 effects on basal and cAMP modulated expression of cholecystokinin and somatostatin genes in a rat medullary thyroid carcinoma cell line [CA-77], 45
Thyrotropin-releasing hormone (TRH)
effects of repeated amphetamine adminstration in the rat brain on, 171
effects of single and repeated morphine administration on the level of TRH and its receptors in the rat brain, 343
identification of TRH receptor mRNA in the Leydig cells of the mouse testis by in situ hybridization, 309
Trachea
effect of dexamethasone treatment on the regional distribution of neutral endopeptidase activity in the rat trachea, 273
epithelium-intact and -denuded guinea-pig, comparison with vasoactive intestinal peptide of relaxant effects of pituitary adenylate cyclase activating polypeptide (PACAP) on, 121
Trauma
changes in neuropeptide levels after brain damage in rats, 59
effects of μ opioid agonist and antagonist on neurological outcome following traumatic brain injury in the rat, 11
Trigeminal nerves: calcitonin gene-related peptide and substance P involvement in feline pial artery diameter responses evoked by capsaicin, 129
Tumours *see* Cancer

U

U-50,488H
characterization of opioid receptor subtypes mediating the negative inotropic effects of agonists in isolated human right atria strips, 115
opiate microinjections in the locus coeruleus area of the cat enhance slow wave sleep, 229
Urinary tract: distinct hydro-osmotic receptors for the neurohypophysial peptides vasotocin and hydrins in the frog *Rana esculenta*, 301

V

Vascular system
calcitonin gene-related peptide and substance P involvement in feline pial artery diameter responses evoked by capsaicin, 129

cutaneous vasomotor effects of neuropeptide Y, 263
vasodilation in porcine ophthalmic artery: peptide interaction with acetylcholine and endothelial dependence, 69
Vasoactive intestinal peptide (VIP)
changes in neuropeptide levels after brain damage in rats, 59
comparison of relaxant effects of pituitary adenylate cyclase activating polypeptide (PACAP) on epithelium-intact and -denuded guinea-pig trachea with, 121
low cerebrospinal fluid concentrations of peptide histidine valine and somatostatin-28 in Alzheimer's disease: altered processing of prepro-vasoactive intestinal peptide and prepro-somatostatin, 325
neuropeptide Y-and vasoactive intestinal polypeptide-like immunoreactivity in adjuvant arthritis: effects of capsaicin treatment, 33
nitrinergic and peptidergic innervations and their inter-relationships in human colon, 1
PACAP acts through VIP type 2 receptors in the rat testis, 315
vasodilation in porcine ophthalmic artery: peptide interaction with acetylcholine and endothelial dependence, 69
Vasopressin: effects of angiotensin vasopressin and atrial natriuretic peptide on intraocular pressure in anaesthetized rats, 193
Vasotocin, distinct hydro-osmotic receptors in the frog *Rana esculenta* for, 301
Vitamins
modulation of CCK mRNA in cell lines in response to isoproterenol and retinoic acid, 221
vitamin D_3 effects on basal and cAMP modulated expression of cholecystokinin and somatostatin genes in a rat medullary thyroid carcinoma cell line [CA-77], 45

W

Water homeostasis: distinct hydro-osmotic receptors for the neurohypophysial peptides vasotocin and hydrins in the frog *Rana esculenta*, 301

NEUROPEPTIDES

Neuropeptides (1995) **29**, 375–376
© Pearson Professional Ltd 1995

Author Index

A

ACHER, R., 301
AHMED, I., 183
AHMED, M., 33
ALBA, F., 103
ARENAS, J. C., 103
ARLETTI, R., 177
ASAI, M., 163

B

BABARCZY, E., 145
BAKKEN, I. J., 69
BALABAN, C. D., 193
BARTFAI, T., 137
BEATTIE, D. T., 129
BEDECS, K., 137
BENÉITEZ, A. M., 229
BENELLI, A., 177
BERTOLINI, A., 177
BÍRÓ,É., 215
BJURHOLM, A., 33
BOTROS, I. W., 221
BRAIN, S. D., 129
BROKAW, J. J., 273
BROOKS, D. P., 331
BUDZISZEWSKA, B., 171, 343
BUENO, L., 245
BUNDGAARD, J. R., 45
BUTOWSKA, W., 337

C

CAFFARRI, G., 321
CAPRETTI, L., 321
CASTRO, M. G., 183
CHAUVET, J., 301
CHIHARA, K., 157
CHIODERA, P., 321
COIRO, V., 321
COLEMAN, R. A., 281
CONNOR, H. E., 129
CONROY, D. M., 121
CULIĆ, M., 59

D

DAVIS, T. P., 221
DE ANDRÉS, I., 229

E

ESCOBAR-JIMÉNEZ, F., 97
ESCOTT, K. J., 129

F

FERNÁNDEZ-GUARDIOLA, A., 163
FERNÁNDEZ-MAS, R., 163
FIORAMONTI, J., 245
FISCHER, A., 281

G

GARZÓN, M., 229
GAUMNITZ, E., 1
GELLAI, M., 331
GELOT, A., 245
GOBERNA, R., 97
GONG, Q.-Z., 11
GOODMAN, M., 151
GRANATA, R., 109
GULLY, D., 27

H

HABERSTOCK, H., 357
HALLER, H., 251
HAMM, R. J., 11
HARTA, G., 315
HASHIM, M. A., 263
HENKLEIN, P., 63, 83, 241
HILDEBRAND, B., 89

J

JANKOVIĆ, B., 59
JAWORSKA-FEIL, L., 171, 343
JENNER, P., 109
JIANG, J. Y., 11
JOLKKONEN, J., 109

K

KAKIGI, T., 325
KANEDA, H., 157
KAUFMANN, R., 63, 241, 251
KAWAGUCHI, T., 325
KEIL, L. C., 193
KISARA, K., 293
KOMOROWSKI, J., 77
KREICBERGS, A., 33
KREMPELS, K., 315

L

LANGEL, Ü., 137
LAORDEN, M. L., 115
LASOŃ, W., 171
LASOŃ, W., 343
LE FUR, G., 27
LI, S., 21
LIM, I. A., 205
LINDSCHAU, C., 251
LINTON, E. A., 183
LLOBELL, F., 115
LOBÓN, J. A., 97
LOPEZ, M. A., 103
LOWENSTEIN, P. R., 183
LUPPI, P., 177
LYETH, B. G., 11

M

MACCHI, C., 53, 337
McCORMICK, J. B., 205
MAEDA, K., 157, 325
MAGNUSSEN, H., 281
MAGOTTI, M. G., 321
MALENDOWICZ, L. K., 53, 337
MANIA-FARNELL, B. L., 221
MARKOWSKA, A., 337
MAROTTI, T., 357
MARSDEN, C. D., 109
MARTIN, H., 63
MARTÍNEZ, A., 163
MAZZOCCHI, G., 53
MENOZZI, B., 177
MEYER, D. K., 89
MEYER, R., 63
MEZEY, É., 315
MILLER, R., 273
MINAMITANI, N., 325
MONS, G., 27
MONSTEIN, H.-J., 45
MURRAY, C. A., 183

N

NAMBI, P., 331
NICHOLS, R., 205
NIKOLIĆ, A., 59
NISHIUCHI, Y., 151
NOWAK, G., 241
NOWAK, K. W., 337
NUSSDORFER, G. G., 53, 337

O

ØDUM, I., 45
OLENIK, C., 89
OTT, T., 63, 251
OUEDRAOGO, Y., 301

P

PALM, D. E., 193
PEKOVIĆ, S., 59
PELLETIER, G., 21
PÉREZ-CANO, R., 97
POGGIOLI, R., 177
PULLEN, M., 331

R

RABE, K. F., 281
RAKIĆ, L. J., 59
RAKOVSKA, A., 257
RATKOVIĆ, M., 59
RODIER, D., 27
ROUILLE, Y., 301
ROWE, J. M., 183

S

ST-PIERRE, S., 121
SAKAI, K., 157
SAKURADA, S., 293
SAKURADA, T., 293
SÁNCHEZ-MARGALET, V., 97
ŠAPONJIĆ, J., 59
SCHÖNEBERG, T., 63, 251
SCHULTZBERG, M., 33
SENGUPTA, A., 1
SEVERS, W. B., 193
SHELDRICK, R. L. G., 281
SHERING, A. F., 183
SHUE, S. G., 193
SINGARAM, C., 1
SIROIS, P., 121
SJAAVAAG, I., 69
SOUBRIÉ, P., 27
SOWER, S. A., 151
STARKMAN, J. S., 205
STEINBERG, R., 27
STĘPIEŃ, H., 77
STOJILJKOVIĆ, M., 59
SWEET, M. A., 1

T

TADEPALLI, A. S., 263
TANAKA, C., 325
TAN-NO, K., 293
TAUSK, F., 351
TEJERO, S., 229
TELEGDY, G., 145, 215
THEODORSSON, E., 33
TODOROVIĆ, V., 59
TOMASEC, P., 183
TÓTH, G., 145, 215

U

UDOVIĆ, S., 59
UNDEM, B., 351
USDIN, T. B., 315

V

VACCA-GALLOWAY, L. L., 309
VALLE, M., 97
VINCENT, M. B., 69
VÍZI, Z., 145
VOLPI, R., 321

W

WARCHOL, J. B., 337
WERNER, L. M., 273
WHITE, G. W., 273
WHITE, L. R., 69

Y

YAMADA, T., 293
YASUDA, M., 325
YOUNG, H. F., 11

Z

ZAJAC, J. M., 245
ZHANG, S.-H., 309
ZHANG, Y.-Q., 309
ZIPPEL, U., 83